

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



NOTICE: THIS DOCUMENT CONTAINS INFORMATION THAT MAY BE SUBJECT TO PATENT RIGHTS. ANY REPRODUCTION OR TRANSMISSION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF THE INTERNATIONAL BUREAU OF THE WORLD INTELLECTUAL PROPERTY ORGANIZATION IS PROHIBITED.

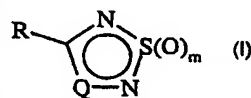
(43) International Publication Date  
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number  
WO 2005/006858 A3

- (51) International Patent Classification<sup>7</sup>: A01N 43/82 (74) Agents: SHEEHAN, John, M. et al.; FMC Corporation, 1735 Market Street, Philadelphia, PA 19103 (US).
- (21) International Application Number: PCT/US2004/021313 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 1 July 2004 (01.07.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/485,297 7 July 2003 (07.07.2003) US
- (71) Applicant (for all designated States except US): FMC CORPORATION [US/US]; 1735 Market Street, Philadelphia, PA 19013 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DUNGAN, Leo, B. [US/US]; 8 Nutmeg Way, Lumberton, NJ 08048 (US). ROWLEY, Elizabeth, G. [US/US]; 1516 Mulberry Court, Monmouth Junction, NJ 08852 (US). DIXSON, John, A. [US/US]; 135 Canterbury Court, Newtown, PA 18940 (US). ALI, Syed, F. [US/US]; 34 Amsterdam Road, Yardville, NJ 08620 (US). CRAWFORD, Scott, D. [US/US]; 7 Dominion Drive, Jackson, NJ 08527 (US). SEHGEL, Saroj [US/US]; 21 Park Hill Terrace, Princeton Junction, NJ 08558 (US). WHITESIDE, Matthew, P. [US/US]; 1 Makefield Road B-48, Morrisville, PA 19067 (US). ZYDOWSKY, Thomas, M. [US/US]; 220 Senator Street, Brooklyn, NY 11220 (US). YEAGER, Walter, H. [US/US]; 274 Hickory Road, Yardley, PA 19067 (US).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report  
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:  
29 September 2005
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PESTICIDAL SUBSTITUTED 1,2,5-THIADIAZOLE DERIVATIVES



is desired are disclosed.

(57) Abstract: Insecticidal and acaricidal compositions comprising an insecticidally or acaricidally effective amount of a 1,2,5-thiadiazole of the formula (I); wherein R, Q and m are as defined in admixture with at least one agriculturally acceptable extender or adjuvant are disclosed. In addition, methods of controlling insects and acarids comprising applying said compositions to a locus of crops where control

WO 2005/006858 A3

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

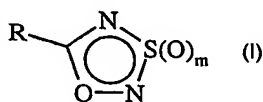
(43) International Publication Date  
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number  
WO 2005/006858 A2

- (51) International Patent Classification<sup>7</sup>: A01N Street, Brooklyn, NY 11220 (US). YEAGER, Walter, H. [US/US]; 274 Hickory Road, Yardley, PA 19067 (US).
- (21) International Application Number: PCT/US2004/021313 (74) Agents: SHEEHAN, John, M. et al.; FMC Corporation, 1735 Market Street, Philadelphia, PA 19103 (US).
- (22) International Filing Date: 1 July 2004 (01.07.2004) (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/485,297 7 July 2003 (07.07.2003) US
- (71) Applicant (for all designated States except US): FMC CORPORATION [US/US]; 1735 Market Street, Philadelphia, PA 19013 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DUNGAN, Leo, B. [US/US]; 8 Nutmeg Way, Lumberton, NJ 08048 (US). ROWLEY, Elizabeth, G. [US/US]; 1516 Mulberry Court, Monmouth Junction, NJ 08852 (US). DIXSON, John, A. [US/US]; 135 Canterbury Court, Newtown, PA 18940 (US). ALI, Syed, F. [US/US]; 34 Amsterdam Road, Yardville, NJ 08620 (US). CRAWFORD, Scott, D. [US/US]; 7 Dominion Drive, Jackson, NJ 08527 (US). SEHGEL, Saroj [US/US]; 21 Park Hill Terrace, Princeton Junction, NJ 08558 (US). WHITESIDE, Matthew, P. [US/US]; 1 Makefield Road B-48, Morrisville, PA 19067 (US). ZYDOWSKY, Thomas, M. [US/US]; 220 Senator
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PESTICIDAL SUBSTITUTED 1,2,5,-THIADIAZOLE DERIVATIVES



where control is desired are disclosed.

(57) Abstract: Insecticidal and acaricidal compositions comprising an insecticidally or acaricidally effective amount of a 1,2,5-thiadiazole of the formula (I); wherein R, Q and m are as defined in admixture with at least one agriculturally acceptable extender or adjuvant are disclosed. In addition, methods of controlling insects and acarids comprising applying said compositions to a locus of crops

WO 2005/006858 A2